

PUB-NO: JP02007116281A
DOCUMENT-IDENTIFIER: JP 2007116281 A
TITLE: DHCP OPERATION SYSTEM AND METHOD, AND DHCP SERVER

PUBN-DATE: May 10, 2007

INVENTOR-INFORMATION:

NAME	COUNTRY
HANDA, FUKIO	
YANO, YOSHIHIRO	

ASSIGNEE-INFORMATION:

NAME	COUNTRY
DAINIPPON PRINTING CO LTD	

APPL-NO: JP2005303496
APPL-DATE: October 18, 2005

INT-CL(IPCR):

TYPE	IPC	DATE	IPC-OLD
IPCP	H04L12/28	20060101	H04L012/28

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a DHCP operation system in which network parameters can be assigned dynamically only to a client used by an authorized user.

SOLUTION: A digital signature created by a user private key 300 stored in an IC card 3 is added to the protocol message of DHCP transmitted to a DHCP server 1 from a client 2. The DHCP server 1 verifies the digital signature added to the protocol message using a user public key 310 acquired from the client 2 thus confirming that the client 2 is used by an authorized user. The DHCP server 1 assigns network parameters dynamically only to a client used by an authorized user.

COPYRIGHT: (C)2007,JPO&INPIT